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**Amendments to the Specification:**

Please replace the paragraph on page 2 lines 5-12 with the following rewritten paragraph:

The water curtain controlling devices are spaced apart and arranged  
10 at a bottom of the pool, each of the water curtain controlling devices includes  
two juxtaposed pipes, a series of intermittent holes is formed in a top surface  
of the pipes and located along the length thereof and is vertical parallel to the  
water surface of the pool, the pipes each has a [[close]] closed end, and  
another end of the pipes is connected to a pump. Water is suctioned by the  
15 pump into one pipe via the holes thereof, and is then spurted out of the other  
pipe via the holes thereof, thus making the water circulates and forming a  
water curtain in the swimming pool.

Please replace the paragraph on page 4 lines 2-9 with the following  
20 rewritten paragraph:

Referring to Figs. 1-4, a temperature difference swimming pool in  
accordance with the present invention comprises: a pool 1 filled with water,  
and a plurality of space-apart water curtain controlling devices 2 arranged on  
the bottom of the pool 1. Each of the water curtain controlling devices 2

includes two juxtaposed pipes 4 and 4'. A series of intermittent holes 5, 5' is formed in the top surface of the pipes 4 and 4' and located along the length thereof and vertical parallel to the water surface of the swimming pool. The pipes 4 and 4' each has a [[close]] closed end, and another end of the pipes 4  
5 and 4' is connected to a pump 6.

Please delete the paragraph on page 5 lines 2-7:

~~Switch valve and filter mesh can additionally be arranged between the water curtain controlling device 2 and the pump 6. If the intermittent holes are blocked with foreign objects, the switch valve can switch the holes 5 of the pipe 4 to suction mode, so as to suction the foreign objects away. Meanwhile, the holes 5' of the pipe 4' is switched to discharge mode, so that water is spurted out of pipe 4' via the holes 5'.~~

15 Please replace the paragraph from page 6 line 23 to page 7 line 14 with the following rewritten paragraph:

20 The water curtain controlling device 2 and the temperature regulating system 3 of the present invention can be installed in an open-air swimming pool (10m x 30m or 50m). Firstly, the water curtain controlling devices 2 are arranged along the length of the bottom of the swimming pool at intervals of 3-5 meters. The pipes are 80 mm in diameter and are juxtaposed. A series of intermittent holes of 0.5mm width and 50m length is formed in the top surface of the pipes 4 and 4' and located along the length thereof and vertical parallel

to the water surface of the swimming pool. The pipes each have a [[close]] closed end, and another end of the pipes is connected to a pump. There are approximately nine water curtain controlling devices in the swimming pool. The water curtain controlling devices at both sides of the swimming pool 5 cooperate the pump, the pipes, and the condenser and evaporator of the temperature regulating system to perform heat exchange, so that the water in one region of the swimming pool is cold, in the other region of the pool the water is warm. Further, the temperature regulating system can regulate the water temperature according to the weather change and create a temperature 10 difference of 20-25 °C.

Please replace the “abstract of the disclosure” with the following rewritten paragraph:

A temperature difference swimming pool comprises ~~a pool filled with water, a plurality of spaced apart~~ water curtain controlling devices ~~arranged at a bottom of the pool~~, and a temperature regulating system. ~~The water curtain controlling devices are spaced apart and arranged at a bottom of the pool, each~~ ~~each~~ of the water curtain controlling devices includes two juxtaposed pipes, a series of intermittent holes is formed in a top surface of the pipes and located 15 ~~along the length thereof and is vertical to the water surface of the pool~~, the pipes each has a [[close]] closed end, and another end of the pipes is connected to a pump. Water is suctioned by the pump into one pipe ~~via the holes thereof~~, and is then spurted out of the other pipe ~~via the holes thereof~~, 20

thus making the water circulate and forming a water curtain ~~in the swimming pool~~. Since the water curtain stops the convection of the water ~~in the pool~~, and the temperature regulating system is used to heat the water in one end of the swimming pool while cooling the water in the other end, thus forming a cold

5 water region and a warm water region in one swimming pool.